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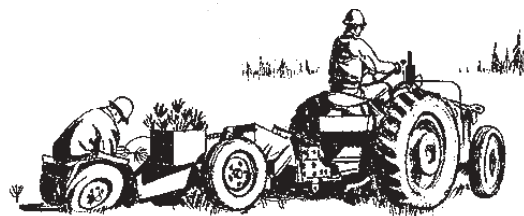
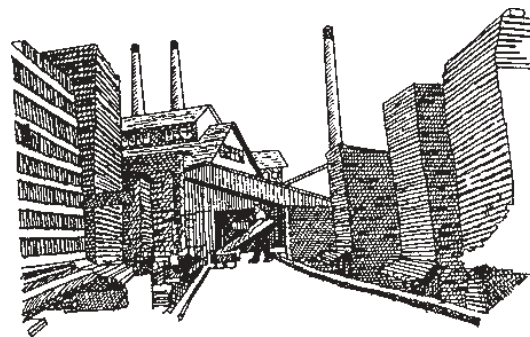


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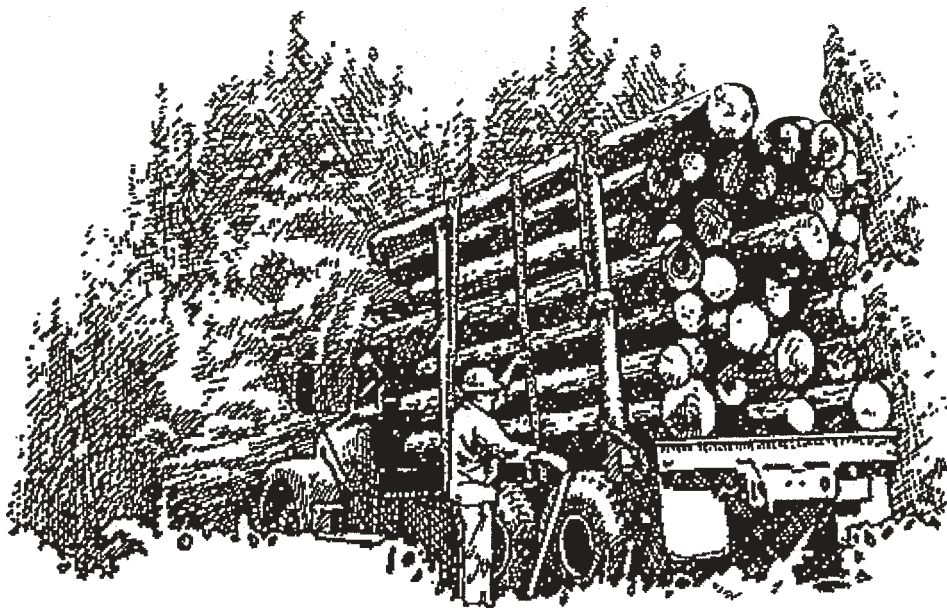
Louisiana's Timber Industry— An Assessment of Timber Product Output and Use, 1996

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Foreword

This report contains the findings of a 1996 canvass of all primary wood-using plants in Louisiana. It complements the Forest Inventory and Analysis (FIA) periodic inventory of volume and removals from the State's timberland. The canvass was conducted to determine the amount and source of wood receipts and annual timber product drain by county in 1996 and to determine interstate and cross-regional movement of industrial roundwood. Primary mills are those that process roundwood in log or bolt form or as chipped roundwood. Examples of industrial roundwood products are saw logs, pulpwood, veneer logs, poles, and logs used for composite board products. Mills producing products from residues generated at primary and secondary processors were not canvassed. Trees chipped in the woods were included in the estimate of timber drain only if they were delivered to a primary domestic manufacturer.

A 100-percent canvass of wood processors in Louisiana was conducted in 1997 to obtain information for 1996. In

addition, roundwood from out-of-State mills known to be using logs or bolts harvested from Louisiana timberland was incorporated into Louisiana production estimates. Each mill was canvassed by mail or through personal contact at plant locations.

Pulpwood production data were taken from an annual canvass of all southern pulpmills. Medium density fiberboard, insulating board, and hardboard plants were included in this survey.

The Southern Research Station gratefully acknowledges the cooperation and assistance provided by the Louisiana Department of Agriculture, Division of Forestry, in collecting mill data. Appreciation is also extended to forest industry and mill managers for providing timber products information. The information in this report is based on responses from 41 mills operating in 1996: 23 sawmills, 11 pulpmills, 5 veneer mills, 1 composite panel mill, and 1 mill manufacturing other industrial products.

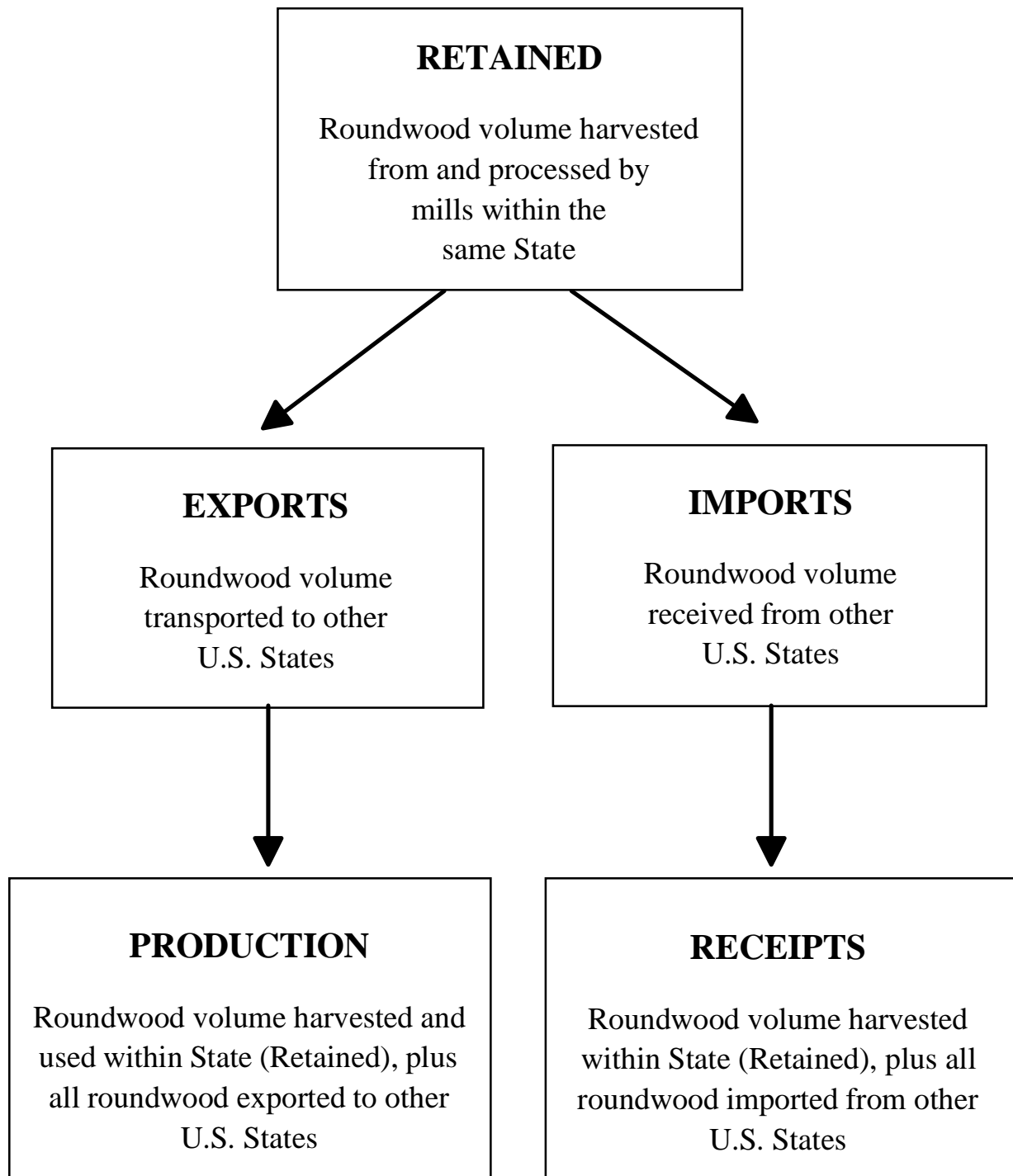


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^a All tables in this report are available in Microsoft® Excel workbook files. Upon request, these files will be supplied on 3½-inch diskettes.

The use of trade or firm names in this publication is for reader information and does not imply endorsement by the U.S. Department of Agriculture of any product or service.



Production = Retained + Exports

Receipts = Retained + Imports

Figure 1—Movement of roundwood exports and imports within the United States.

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Output of Industrial Timber Products

Note: The reader must understand that certain terms, namely—retained, export, import, production, and receipts—have specialized meanings and relationships unique to the Forest Inventory and Analysis Units across the country that deal with timber products output (fig. 1).

- In 1996, the combined industrial timber products output (TPO) from roundwood and plant byproducts totaled 818 million cubic feet.
- Timber products output from roundwood was 627 million cubic feet, while output of plant byproducts was 191 million cubic feet.
- Output of softwood roundwood products equaled 505.5 million cubic feet, while output of hardwood roundwood products equaled 121.7 million cubic feet (fig. 2).

- Pulpwood and saw logs were the principal roundwood products in 1996. Combined output of these two products totaled 496 million cubic feet and accounted for 79 percent of the State's total roundwood output (fig. 3).
- Total receipts at Louisiana mills, which included roundwood harvested and retained in the State and roundwood imported from other States, totaled 689 million cubic feet. At the same time, the number of primary roundwood-using plants in Louisiana totaled 41 in 1996.

Saw Logs

- Saw logs accounted for 29 percent of the State's total roundwood products. Output of softwood saw logs totaled 154 million cubic feet (804 million board feet), while that of hardwood saw logs totaled 28 million cubic feet (164 million board feet) (fig. 4).

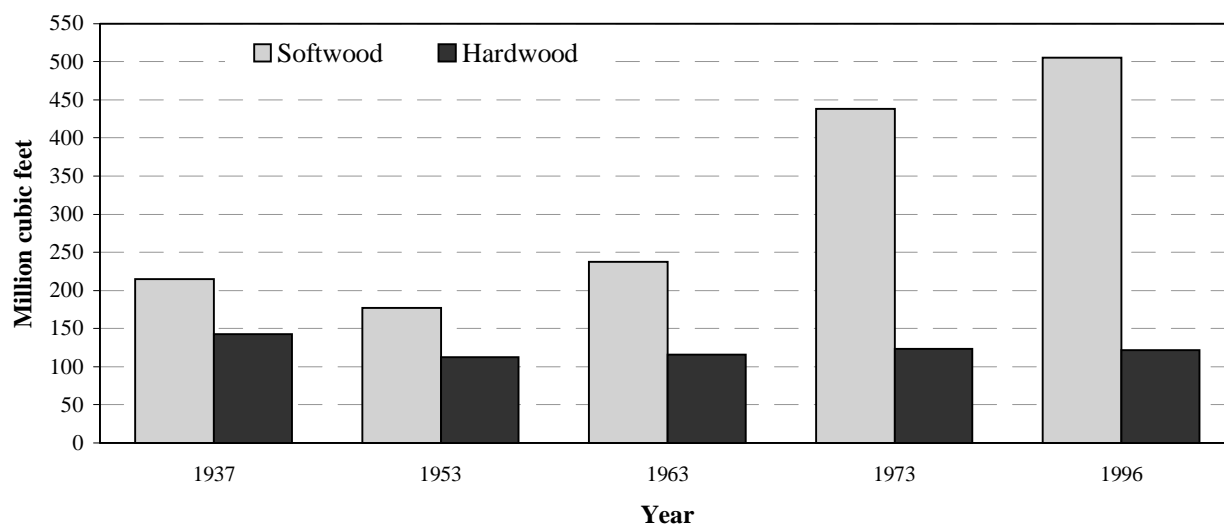


Figure 2—Roundwood production for all products, by species group and year.

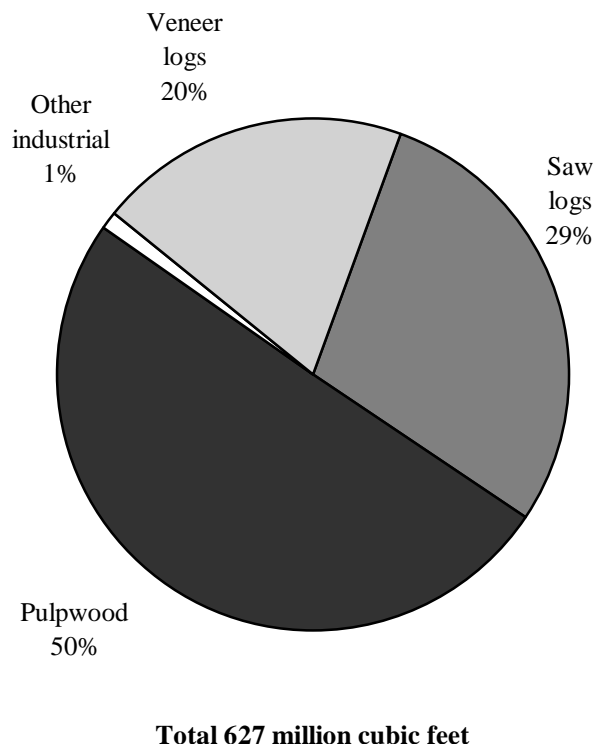


Figure 3—Roundwood production, by type of product, 1995.

- Louisiana currently has 23 sawmills. The total number of sawmills does not include one-man sawmills not picked up in this survey. Total saw-log receipts reached 134 million cubic feet. Softwood saw-log receipts were 120.6 million cubic feet, while those of hardwoods were 13.8 million cubic feet. Of the

operating mills, 13 percent had receipts between 1 and 4.99 million board feet. Twenty-two percent of the mills had receipts between 5 and 9.99 million board feet. Forty-eight percent of the mills had receipts between 10.0 and 49.99 million board feet. Four of the operating mills had receipts greater than 50.0 million board feet.

- Louisiana retained 58 percent of its saw-log production for domestic manufacture, with saw-log exports exceeding imports by 47 million cubic feet in 1996.

Pulpwood

- Pulpwood production, including chipped roundwood, totaled 315 million cubic feet and accounted for 50 percent of the State's total roundwood TPO. Softwood output reached 223 million cubic feet (3.1 million cords), while hardwood output reached 91 million cubic feet (1.2 million cords) (fig. 5).
- Eleven pulpmill facilities were operating and receiving roundwood in Louisiana in 1996. Total pulpwood receipts for these mills were at 438 million cubic feet, accounting for 64 percent of total receipts for all mills.
- Ninety-one percent of roundwood cut for pulpwood was retained for processing at Louisiana pulpmills. Roundwood pulpwood accounted for 21 percent of total known exports and 78 percent of total imports. Roundwood pulpwood imports amounted to 152 million cubic feet, or 124 million cubic feet more than was exported.

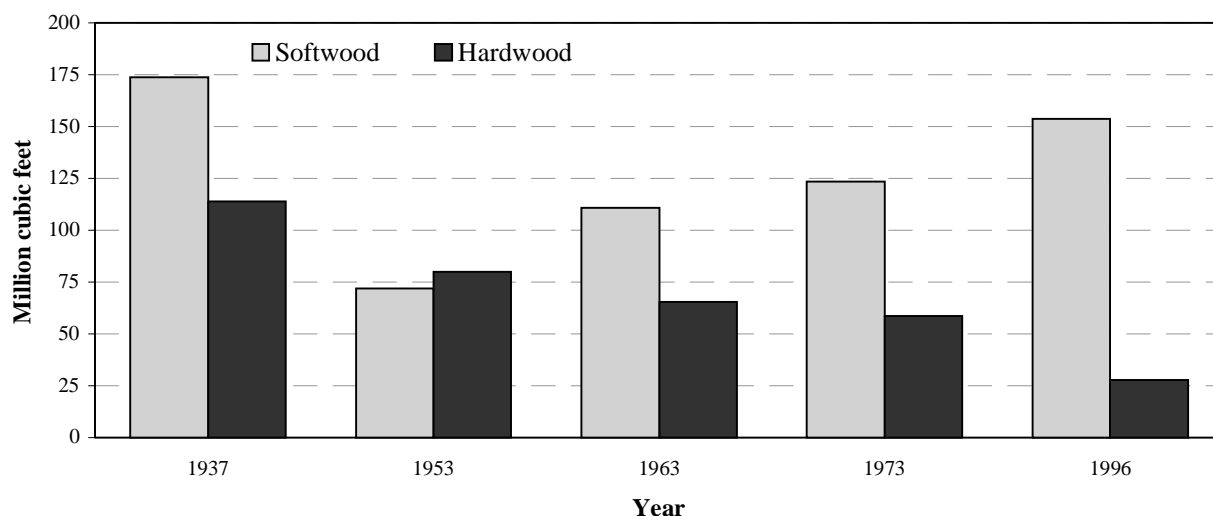


Figure 4—Roundwood saw-log production, by species group and year.

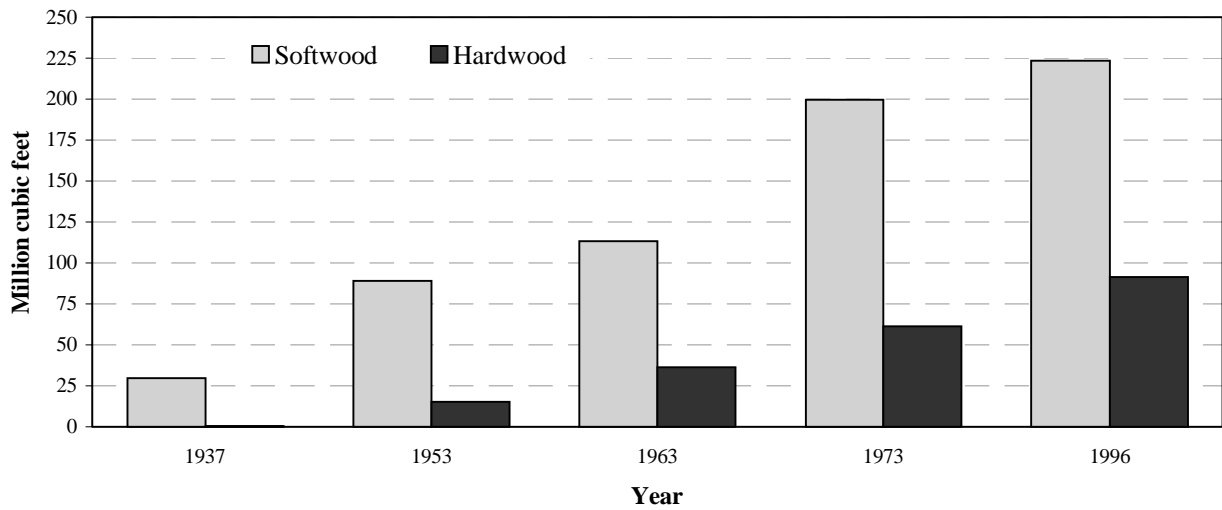


Figure 5—Roundwood pulpwood production, by species group and year.

Veneer Logs

- Output of veneer logs in 1996 totaled 123 million cubic feet and accounted for 20 percent of the State's total roundwood TPO volume. Softwood veneer production amounted to 122 million cubic feet (709 million board feet), while output of hardwood veneer logs totaled 1 million cubic feet (5.6 million board feet), (fig. 6).
- Louisiana had 5 veneer mills operating in 1996. Receipts of veneer logs totaled 109 million cubic feet. Softwood accounted for 100 percent of the total veneer receipts.
- Louisiana retained 77 percent of its veneer-log production for processing at domestic veneer mills. Exports amounted to 28 million cubic feet, while imports totaled 14 million cubic feet, making the State a net exporter of roundwood veneer logs.

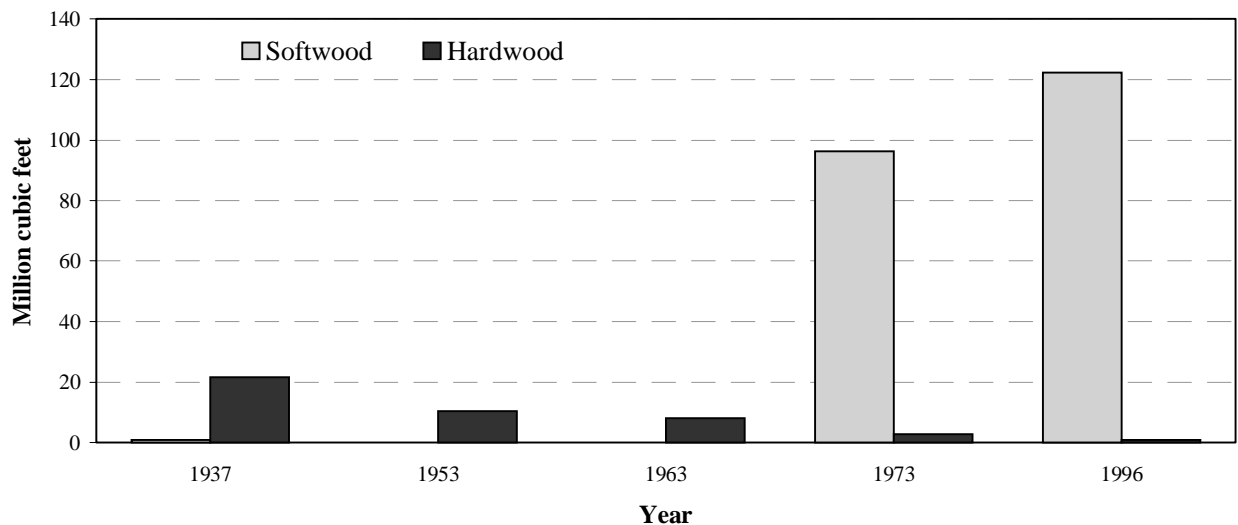


Figure 6—Roundwood veneer production, by species group and year.

Composite Panels and Other Industrial

- Total output of composite panels and other industrial products equaled 8.1 million cubic feet and accounted for 1.3 percent of the States total roundwood timber products output volume.
- Softwood accounted for 6.2 million cubic feet and hardwood amounted to 1.9 million cubic feet.
- Composite panel and other industrial receipts accounted for 8 million cubic feet.
- Softwood accounted for 73 percent of the composite panel and other industrial volume, while yellow pine was used in 100 % of the softwood panels.
- Louisiana retained 7.4 million cubic feet of composite panels and other industrial products.
- Louisiana exported 767 thousand cubic feet of composite panels and other industrial products and imported 443 thousand cubic feet, which makes the state a net exporter of composite panels and other industrial products.

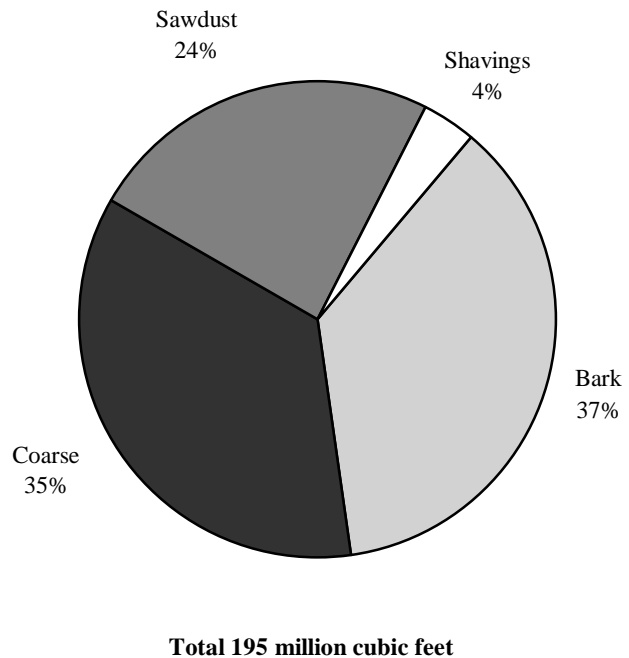


Figure 7—Primary mill residue, by residue type.

Plant Byproducts

- In 1996, processing of primary products in Louisiana mills generated 195 million cubic feet of wood and bark residues. Coarse residues from all primary products amounted to 69 million cubic feet, while bark volume totaled more than 72 million cubic feet. Sawdust made up 24 percent of the residue total with 47 million cubic feet. Shavings made up four percent of total residues, or 7 million cubic feet (fig. 7).
- Virtually most of the wood and bark residues were used for a product; 2 percent was not used, while 58 percent of the residues were used for industrial fuel (fig. 8). Sixty-two million cubic feet, or 90 percent, of the coarse residues were used for fiber products. Ninety-seven percent of the bark was used for industrial fuel, while 79 percent of the sawdust and shavings combined were used for industrial fuel.
- Sawmills generated 74 million cubic feet of mill residues, accounting for 38 percent of the total residues produced (fig. 9).

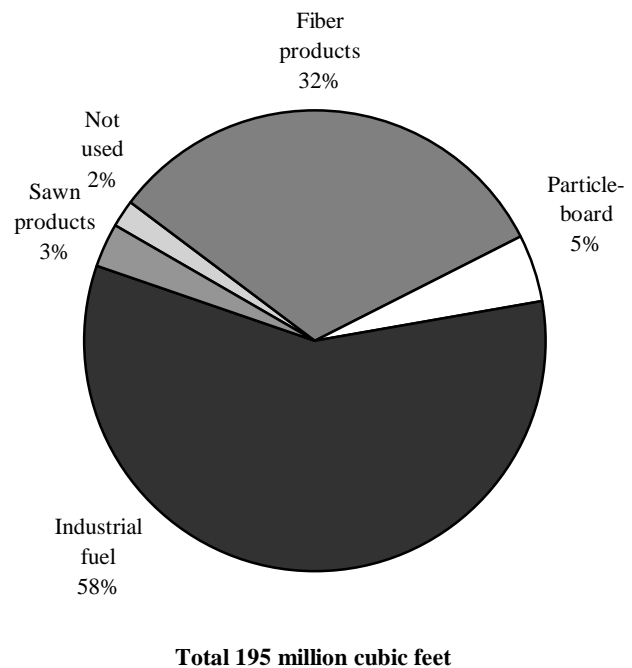


Figure 8—Disposal of residue, by product.

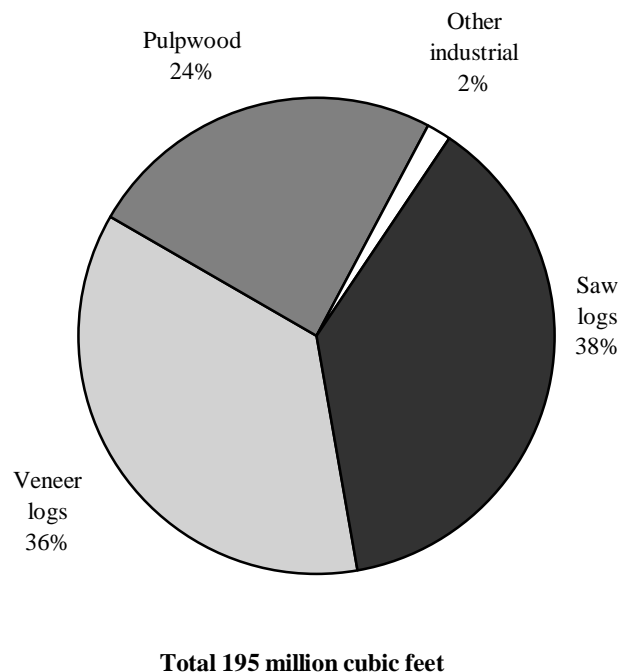


Figure 9—Primary mill residue produced by mill type.

Regional Data

North Delta Region

- Roundwood output for both softwood and hardwood combined from the North Delta Louisiana region totaled 34 million cubic feet in 1996.
- Pulpwood accounted for 45 percent of the region's TPO and 5 percent of the State's roundwood pulpwood output. The 15 million cubic feet of saw logs accounted for 44 percent of the total roundwood output for the region.
- In the North Delta region, 1 pulpmill plant was operating during 1996.

South Delta Region

- Twenty-two million cubic feet of roundwood were produced in the South Delta Louisiana region.
- Saw-log production of 6 million cubic feet accounted for 28 percent of the region's total roundwood output. Production of pulpwood accounted for 67 percent of the region's total roundwood output.
- Two sawmills operated in the South Delta Louisiana region in 1996.

Southwest Region

- Roundwood output from the Southwest Louisiana region totaled 188 million cubic feet. Roundwood production from this region accounted for 30 percent of the total roundwood TPO for the State.
- Pulpwood production of 108 million cubic feet accounted for 58 percent of the region's total TPO. Saw-log production of 35 million cubic feet accounted for another 19 percent of the region's total roundwood output.
- Twelve primary mills operated in Southwest Louisiana in 1996: 3 pulpmills, 5 sawmills, 3 plywood mills, and 1 pole mill.

Southeast Region

- Roundwood output from the Southeast Louisiana region totaled 81 million cubic feet, and accounted for 13 percent of the States total TPO.
- Saw-log production of 34 million cubic feet, accounted for 42 percent of the region's total roundwood output. Pulpwood production of 43 million cubic feet, accounted for 53 percent of the region's total roundwood output.
- In the Southeast Louisiana region, 5 sawmills and 4 pulpmills were operating during 1996.

Northwest Region

- Roundwood output from the Northwest Louisiana region totaled 302 million cubic feet, or 48 percent of the State's total roundwood output.
- Saw-log production totaled 91 million cubic feet and accounted for 30 percent of the region's total roundwood output. Pulpwood production accounted for 44 percent of the region's total TPO.
- In the Northwest Louisiana region, 17 primary wood-using plants were operating during 1996: 3 pulpmills, 11 sawmills, 2 veneer or plywood mill, and 2 composite panel or other industrial plants.

Definitions

Board feet. Unit of measure applied to roundwood. It relates to lumber that is 1-foot long, 1-foot wide, and 1-inch thick (or its equivalent).

Composite panels. Consists of structural panels (oriented strand board or waferboard), particleboard (industrial underlayment, thin panelboard).

Consumption. The quantity of a commodity, such as pulpwood, utilized.

Drain. The volume of roundwood removed from any geographic area where timber is grown.

Exports. The volume of roundwood utilized by mills outside the State where timber was cut.

Imports. The volume of roundwood delivered to a mill or group of mills in a specific State but harvested from outside that particular area.

Industrial fuelwood. A roundwood product, with or without bark, used to generate energy at a manufacturing facility such as a wood-using mill.

Industrial roundwood products. Any primary use of the main stem of a tree, such as saw logs, poles, pilings, veneer logs, pulpwood, posts, or cooperage logs.

Log. A primary forest product harvested in long, primarily 8-foot lengths.

Plant residues. Wood material generated in the production of timber products at primary manufacturing plants.

Coarse residues. Suitable for chipping such as slabs, edgings, trim, veneer cores, and ends.

Fine residues. Not suitable for chipping such as sawdust, shavings, and veneer clippings.

Primary wood-using plants. Industries that receive roundwood or chips from roundwood for the manufacture of products such as veneer, pulp, and lumber.

Production. The total volume of roundwood harvested from land within the specified State, regardless of where consumed. Production is the sum of timber harvested and used within the State, plus all roundwood exported to other U.S. States.

Pulpwood. A roundwood product that will be reduced to individual wood fibers by chemical or mechanical means. The fibers are used to make a broad generic group of pulp products that includes paper products as well as chipboard, fiberboard, insulating board, and paperboard.

Receipts. The quantity or volume of industrial roundwood received at a mill or by a group of mills in a State, regardless of the geographic source. Volume of roundwood receipts is equal to the volume of roundwood retained in a State plus roundwood imported from other States in the United States.

Retained. Roundwood volume harvested from and processed by mills within the same State.

Roundwood. Logs, bolts, or other round sections cut from trees for industrial manufacture or consumer use.

Roundwood chipped. Any timber cut primarily for industrial manufacture, delivered to nonpulp mills, chipped, and then sold to pulp mills for use as fiber. Includes tops, jump sections, and whole trees.

Roundwood product drain. That portion of total drain used for a product.

Saw log. A log meeting minimum standards of diameter, length, and defect, including logs at least 8 feet long, sound and straight, and with minimum diameter inside bark of 6 inches for softwoods and 8 inches for hardwoods.

Standard cord. A unit measure applied to roundwood, usually bolts or split wood. It relates to a stack of wood 4 feet high, 4 feet wide, and 8 feet long encompassing 128 cubic feet of wood, bark, and air space. In Florida, this usually translates to 74.8 cubic feet of solid wood for pulpwood, since pulpwood is more uniform.

Timber products output. Roundwood production in an area's forests (equals roundwood product drain).

Timber removals. The merchantable volume of trees removed from the timberland inventory by harvesting, cultural operations such as stand improvement, land clearing, or changes in land use.

Veneer log. Logs to be used in the production of plywood, finished panels, or veneer sheets, both rotary cut and sliced.

Conversion Factors^a

Saw logs

Softwood	0.19121 cubic foot = 1 board foot 5.23 board feet = 1 cubic foot
Hardwood	0.16807 cubic foot = 1 board foot 5.95 board feet = 1 cubic foot

Veneer logs

Softwood	0.17241 cubic foot = 1 board foot 5.80 board feet = 1 cubic foot
Hardwood	0.16129 cubic foot = 1 board foot 6.20 board feet = 1 cubic foot

Pulpwood^b

Softwood	71.00 cubic feet per cord
Hardwood	75.00 cubic feet per cord

^a Conversion factors vary with stem size (d.b.h.) and species.

The factors shown are for trees of average diameters removed in Louisiana during the most recent survey period.

^b Cubic feet of solid wood per cord.

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**Table 1—Output and receipts of industrial products
by product and species group, Louisiana, 1996**

Product and species group	Production	Receipts
<i>Thousand cubic feet</i>		
Saw logs		
Softwood	153,800	120,625
Hardwood	27,631	13,830
Total	181,431	134,455
Veneer logs		
Softwood	122,240	108,986
Hardwood	896	0
Total	123,136	108,986
Pulpwood^a		
Softwood	223,263	302,818
Hardwood	91,278	135,241
Total	314,541	438,059
Composite panel and other industrial		
Softwood	6,236	5,719
Hardwood	1,881	2,074
Total	8,117	7,793
All industrial		
Softwood	505,539	538,148
Hardwood	121,686	151,145
Total	627,225	689,293
Byproduct output		
Softwood	164,916	
Hardwood	25,775	
Total	190,691	
Total output		
Softwood	670,455	
Hardwood	147,461	
Total	817,916	

^a Production includes roundwood delivered to nonpulp mills and then chipped and sold to pulp mills (443,000 cubic feet in 1996), receipts include roundwood delivered to nonpulp mills and then chipped and sold to pulp mills (497,000 cubic feet in 1996).

**Table 2—Number of primary wood-using plants by industry,
Louisiana, 1937–1996**

Industry	Year				
	1937	1953	1962	1963	1996
Sawmills	557	458	160	164	70
Veneer or plywood mills	15	15	11	11	6
Pulpmills	6	8	10	10	11
Composite panel and other	65	49	36	38	5
All plants	643	530	217	223	92

**Table 3—Roundwood receipts by sawmill size,
Louisiana, 1996**

Sawmill size class ^a	Number of mills	Thousand board feet	Percent of volume
<i>Million board feet</i>			
1.0 - 4.99	3	12,600	2
5.0 - 9.99	5	35,701	5
10.0 - 49.99	11	277,659	39
> 50	4	387,955	54
Total	23	713,915	100

^a Based on volume received as opposed to actual capacity.

Table 4—Roundwood receipts by species and type of mill, Louisiana, 1996

Species	All mills	Type of mill				Pulpmills ^d
		Sawmills	Veneer mills		Panels and other	
			Pine plywood	Other veneer		
Thousand cubic feet						
Softwood						
Yellow pine	235,298	120,593	108,986	0	5,719	0
White pine	0	0	0	0	0	0
Cedar	0	0	0	0	0	0
Cypress	32	32	0	0	0	0
Other softwood	0	0	0	0	0	0
Unclassified	302,818	0	0	0	0	302,818
Total softwoods	538,148	120,625	108,986	0	5,719	302,818
Hardwood						
Blackgum and tupelo	463	463	0	0	0	0
Soft maple	715	286	0	0	429	0
Sweetgum	1,773	1,058	0	0	715	0
Yellow-poplar	1,536	820	0	0	716	0
Other soft hardwood	1,307	1,093	0	0	214	0
Hickory	942	942	0	0	0	0
Red oak	5,018	5,018	0	0	0	0
White oak	2,094	2,094	0	0	0	0
Other hard hardwood	2,056	2,056	0	0	0	0
Unclassified	135,241	0	0	0	0	135,241
Total hardwoods	151,145	13,830	0	0	2,074	135,241
All species	689,293	134,455	108,986	0	7,793	438,059

^a Only collected by softwood and hardwood.

Table 5—Industrial roundwood movement by product and species group, Louisiana, 1996

Product and species group	Production	Exported to other States	Retained	Imported from other States	Receipts
<i>Thousand cubic feet</i>					
Saw logs					
Softwood	153,800	60,855	92,945	27,680	120,625
Hardwood	27,631	15,239	12,392	1,438	13,830
Total	181,431	76,094	105,337	29,118	134,455
Veneer logs					
Softwood	122,240	27,337	94,903	14,083	108,986
Hardwood	896	896	0	0	0
Total	123,136	28,233	94,903	14,083	108,986
Pulpwood^a					
Softwood	223,263	9,160	214,103	88,715	302,818
Hardwood	91,278	19,161	72,117	63,124	135,241
Total	314,541	28,321	286,220	151,839	438,059
Composite panels and other industrial					
Softwood	6,236	767	5,469	250	5,719
Hardwood	1,881	0	1,881	193	2,074
Total	8,117	767	7,350	443	7,793
All products					
Softwood	505,539	98,119	407,420	130,728	538,148
Hardwood	121,686	35,296	86,390	64,755	151,145
Total	627,225	133,415	493,810	195,483	689,293

^a Includes roundwood chipped.

Table 6—Saw-log volume by destination, source, and species group, Louisiana, 1996

Destination and source	All species	Species group	
		Softwood	Hardwood
<i>Thousand cubic feet</i>			
Louisiana (retained)	105,337	92,945	12,392
Exports to:			
Alabama	261	0	261
Arkansas	34,361	30,945	3,416
Mississippi	31,422	20,071	11,351
Texas	10,050	9,839	211
Total	76,094	60,855	15,239
Imports from:			
Arkansas	6,554	6,095	459
Mississippi	12,506	11,741	765
Texas	10,058	9,844	214
Total	29,118	27,680	1,438

Table 7—Veneer volume by destination, source, and species group, Louisiana, 1996

Destination and source	All species	Species group	
		Softwood	Hardwood
Thousand cubic feet			
Louisiana (retained)	94,903	94,903	0
Exports to:			
Alabama	31	0	31
Arkansas	11,379	11,379	0
Indiana	219	0	219
Mississippi	5,708	5,067	641
Texas	10,891	10,891	0
Virginia	5	0	5
Total	28,233	27,337	896
Imports from:			
Arkansas	3,180	3,180	0
Texas	10,903	10,903	0
Total	14,083	14,083	0

Table 8—Pulpwood volume by destination, source, and species group, Louisiana, 1996^a

Destination and source	All species	Species group	
		Softwood	Hardwood
Thousand cubic feet			
Louisiana (retained)	286,220	214,103	72,117
Exports to:			
Alabama	575	58	517
Arkansas	8,088	1,520	6,568
Mississippi	15,347	6,871	8,476
Texas	4,311	711	3,600
Total	28,321	9,160	19,161
Imports from:			
Alabama	83	83	0
Arkansas	34,251	23,235	11,016
Mississippi	90,991	46,408	44,583
Texas	26,464	18,989	7,475
Tennessee	50	0	50
Total	151,839	88,715	63,124

^a Includes roundwood delivered to non pulpmills and then chipped and sold to pulpmills.

Table 9—Composite panel and other industrial volume by destination, source and species group, Louisiana, 1996^a

Destination and source	All species	Species group	
		Softwood	Hardwood
Thousand cubic feet			
Louisiana (retained)	7,350	5,469	1,881
Exports to:			
Arkansas	442	442	0
Oklahoma	133	133	0
Texas	192	192	0
Total	767	767	0
Imports from:			
Arkansas	247	54	193
Texas	196	196	0
Total	443	250	193

^a Includes poles, posts, mulch, firewood, charcoal, and all other industrial mills.

Table 10—Primary mill residue volume by roundwood type, species group, and residue type, Louisiana, 1996

Roundwood type and species group	All types	Residue type			
		Bark	Coarse	Sawdust	Shavings
Thousand cubic feet					
Saw logs					
Softwood	65,155	10,022	31,479	16,677	6,977
Hardwood	8,519	1,580	4,038	2,901	0
Total	73,674	11,602	35,517	19,578	6,977
Veneer logs					
Softwood	70,301	10,055	32,842	27,404	0
Hardwood	0	0	0	0	0
Total	70,301	10,055	32,842	27,404	0
Pulpwood					
Softwood	30,526	30,526	0	0	0
Hardwood	16,781	16,781	0	0	0
Total	47,307	47,307	0	0	0
Composite panels and other industrial ^a					
Softwood	2,687	2,012	675	0	0
Hardwood	531	531	0	0	0
Total	3,218	2,543	675	0	0
Total					
Softwood	168,669	52,615	64,996	44,081	6,977
Hardwood	25,831	18,892	4,038	2,901	0
Total	194,500	71,507	69,034	46,982	6,977

^a Includes poles, pilings, posts, and other industrial products.

Table 11—Disposal of residue at primary wood-using plants by product, species group, and type of residue, Louisiana, 1996

Product and species group	All types	Residue type			
		Bark	Coarse	Sawdust	Shavings
Thousand cubic feet					
Fiber products					
Softwood	58,663	0	58,350	0	313
Hardwood	4,038	0	4,038	0	0
Total	62,701	0	62,388	0	313
Particleboard					
Softwood	8,794	0	0	4,772	4,022
Hardwood	0	0	0	0	0
Total	8,794	0	0	4,772	4,022
Composite panels					
Softwood	0	0	0	0	0
Hardwood	0	0	0	0	0
Total	0	0	0	0	0
Sawn products					
Softwood	5,962	0	5,962	0	0
Hardwood	0	0	0	0	0
Total	5,962	0	5,962	0	0
Fuel					
Softwood	90,951	50,475	675	37,159	2,642
Hardwood	21,732	18,831	0	2,901	0
Total	112,683	69,306	675	40,060	2,642
Miscellaneous					
Softwood	546	533	9	4	0
Hardwood	5	5	0	0	0
Total	551	538	9	4	0
Not used					
Softwood	3,753	1,607	0	2,146	0
Hardwood	56	56	0	0	0
Total	3,809	1,663	0	2,146	0
All products					
Softwood	168,669	52,615	64,996	44,081	6,977
Hardwood	25,831	18,892	4,038	2,901	0
Total	194,500	71,507	69,034	46,982	6,977

Table 12—Roundwood timber products output by parish, product, and species group, North Delta Unit of Louisiana, 1996

Parish	All products		Saw logs		Veneer logs		Pulpwood		Other industrial	
	Soft-wood	Hard-wood	Soft-wood	Hard-wood	Soft-wood	Hard-wood	Soft-wood	Hard-wood	Soft-wood	Hard-wood
<i>Thousand cubic feet</i>										
Catahoula	3,506	1,746	230	1,108	942	0	2,334	638	0	0
Concordia	545	3,308	294	1,150	0	0	251	2,158	0	0
East Carroll	129	1,845	0	320	0	74	129	1,451	0	0
Franklin	555	1,635	544	1,010	0	0	11	625	0	0
Madison	611	2,252	559	1,051	0	428	52	773	0	0
Morehouse	7,543	3,351	4,130	627	1,574	0	1,839	2,724	0	0
Richland	364	1,098	357	491	0	0	7	607	0	0
Tensas	257	2,612	66	1,171	0	300	191	1,141	0	0
West Carroll	2,181	442	1,578	188	568	63	35	191	0	0
All parishes	15,691	18,289	7,758	7,116	3,084	865	4,849	10,308	0	0

Table 13—Roundwood timber products output by parish, product, and species group, South Delta Unit of Louisiana, 1996

Parish	All products		Saw logs		Veneer logs		Pulpwood		Other industrial	
	Soft-wood	Hard-wood	Soft-wood	Hard-wood	Soft-wood	Hard-wood	Soft-wood	Hard-wood	Soft-wood	Hard-wood
<i>Thousand cubic feet</i>										
Acadia	1,213	605	480	198	575	0	158	407	0	0
Ascension	1,389	1,190	600	248	0	0	789	942	0	0
Assumption	90	610	0	0	0	0	90	610	0	0
Avoyelles	1,008	1,354	530	810	0	0	478	544	0	0
Iberia	1	386	0	0	0	0	1	386	0	0
Iberville	1	897	0	210	0	0	1	687	0	0
Lafayette	0	448	0	0	0	0	0	448	0	0
Lafourche	0	61	0	0	0	0	0	61	0	0
Pointe Coupee	0	1,035	0	281	0	0	0	754	0	0
St. Charles	0	207	0	0	0	0	0	207	0	0
St. James	0	895	0	0	0	0	0	895	0	0
St. John The Baptist	292	376	0	0	0	0	292	376	0	0
St. Landry	39	1,314	30	211	0	0	9	1,103	0	0
St. Martin	0	481	0	132	0	0	0	349	0	0
St. Mary	0	309	0	0	0	0	0	309	0	0
Terrebonne	0	142	0	0	0	0	0	142	0	0
Vermilion	22	272	0	0	0	0	22	272	0	0
West Baton Rouge	0	1,114	0	292	0	0	0	822	0	0
West Feliciana	2,366	3,875	264	1,941	506	0	1,596	1,934	0	0
All parishes	6,421	15,571	1,904	4,323	1,081	0	3,436	11,248	0	0

Table 14—Roundwood timber products output by parish, product, and species group, Southwest Unit of Louisiana, 1996

Parish	All products		Saw logs		Veneer logs		Pulpwood		Other industrial	
	Soft-wood	Hard-wood	Soft-wood	Hard-wood	Soft-wood	Hard-wood	Soft-wood	Hard-wood	Soft-wood	Hard-wood
<i>Thousand cubic feet</i>										
Allen	10,723	725	1,033	350	2,901	0	6,682	375	107	0
Beauregard	20,398	375	4,635	375	5,559	0	10,145	0	59	0
Calcasieu	3,155	1	144	0	894	0	2,117	1	0	0
Evangeline	3,927	419	180	52	1,346	0	2,287	367	114	0
Grant	9,219	880	2,505	414	2,060	0	4,510	466	144	0
Jefferson Davis	304	203	0	0	143	0	161	203	0	0
La Salle	9,601	3,909	1,390	223	2,695	0	5,372	3,686	144	0
Natchitoches	32,355	5,881	5,502	350	4,332	0	22,176	5,531	345	0
Rapides	18,569	765	2,302	592	4,929	0	10,824	173	514	0
Sabine	34,240	2,515	6,504	264	12,261	0	15,283	2,251	192	0
Vernon	28,099	1,606	7,665	937	5,003	0	15,190	669	241	0
All parishes	170,590	17,279	31,860	3,557	42,123	0	94,747	13,722	1,860	0

Table 15—Roundwood timber products output by parish, product, and species group, Southeast Unit of Louisiana, 1996

Parish	All products		Saw logs		Veneer logs		Pulpwood		Other industrial	
	Soft-wood	Hard-wood	Soft-wood	Hard-wood	Soft-wood	Hard-wood	Soft-wood	Hard-wood	Soft-wood	Hard-wood
<i>Thousand cubic feet</i>										
East Baton Rouge	4,241	2,139	1,916	863	810	0	1,515	1,276	0	0
East Feliciana	7,017	3,561	3,092	1,906	810	0	3,115	1,655	0	0
Livingston	9,434	2,595	3,747	498	962	0	4,725	2,097	0	0
St. Helena	10,886	2,285	4,077	1,016	962	0	5,847	1,269	0	0
St. Tammany	7,421	1,988	3,337	184	0	0	4,084	1,804	0	0
Tangipahoa	11,979	2,958	6,553	410	506	0	4,920	2,548	0	0
Washington	12,534	2,219	6,193	151	506	31	5,835	2,037	0	0
All parishes	63,512	17,745	28,915	5,028	4,556	31	30,041	12,686	0	0

**Table 16—Roundwood timber products output by parish, product, and species group,
Northwest Unit of Louisiana, 1996**

Parish	All products		Saw logs		Veneer logs		Pulpwood		Other industrial	
	Soft- wood	Hard- wood	Soft- wood	Hard- wood	Soft- wood	Hard- wood	Soft- wood	Hard- wood	Soft- wood	Hard- wood
<i>Thousand cubic feet</i>										
Bienville	27,017	3,487	8,334	131	9,546	0	8,145	2,859	992	497
Bossier	26,027	7,190	11,662	559	7,828	0	6,108	6,383	429	248
Caddo	16,837	3,584	7,038	221	4,756	0	4,820	3,363	223	0
Caldwell	8,830	1,910	240	340	929	0	7,613	1,550	48	20
Claiborne	19,731	4,715	7,892	1,231	6,099	0	5,596	3,215	144	269
De Soto	23,999	6,054	5,311	0	8,208	0	9,916	6,054	564	0
Jackson	20,442	4,057	4,619	766	7,398	0	7,897	2,959	528	332
Lincoln	10,949	3,493	3,067	406	3,689	0	3,713	2,859	480	228
Ouachita	11,236	5,812	4,669	789	2,348	0	4,171	4,941	48	82
Red River	10,185	703	5,104	0	2,083	0	2,923	683	75	20
Union	29,189	6,722	8,778	1,168	4,011	0	16,247	5,472	153	82
Webster	27,131	3,168	13,300	1,333	10,396	0	3,071	1,732	364	103
Winn	17,752	1,907	3,349	663	4,105	0	9,970	1,244	328	0
All parishes	249,325	52,802	83,363	7,607	71,396	0	90,190	43,314	4,376	1,881



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Stratton, Daniel P., Westbrook, Robert F. 1998. Louisiana's timber industry: an assessment of timber product output and use, 1996. Resour. Bull. SRS-[Unpublished]. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. 19 p.

In 1996, roundwood output from Louisiana's forests totaled 627 million cubic feet. Mill byproducts generated from primary manufacturers amounted to 191 million cubic feet. Almost all plant residues were used, primarily for fuel and fiber products. Pulpwood was the leading roundwood product at 315 million cubic feet; saw logs ranked second at 181 million cubic feet; veneer was third with 123 million cubic feet. There were 41 primary processing plants canvassed in Louisiana in 1996. Total receipts for these mills were 689 million cubic feet.

Keywords: Pulpwood, residues, roundwood, saw logs, veneer logs, wood movement.

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